

CLAIMS

1. A laser beam machine for processing an article to be processed with a laser beam from a processing scanner comprised of an optical system employing a laser oscillator, said laser beam machine comprising two article position controllers for controlling in a coordinated manner the position of a mounted article to be processed in accordance with the direction of the laser beam from said processing scanner, wherein said article position controllers are disposed substantially symmetrically with respect to the center of the range of movement of a processing spot upon which the laser beam is focused.
2. The laser beam machine according to claim 1, wherein said processing scanner comprises a pivot shaft about which said processing spot is moved.
3. The laser beam machine according to claim 2, wherein said two article position controllers are each comprised of a triaxial positioner having three rotational axes, wherein the first axes of said article position controllers are inclined and disposed opposite to each other, and wherein the position of a surface to be processed of said article to be processed is controlled to be nearly perpendicular to said laser beam.
4. The laser beam machine according to claim 3, wherein said triaxial positioners are constructed such that the centers of rotation of said three axes are concentrated at a single point.
5. The laser beam machine according to claim 4, wherein said processing scanner comprises a beam-scanning mechanism capable of controlling the focal position of said laser beam in the X, Y, and Z directions using a focusing lens and a mirror that are movable.